

ABSTRACT OF THE DISCLOSURE

Disclosed herein is a carrier having immobilized antigens or antibodies which has a high bonding ability with antigens or antibodies (bonding objects) in the sample to be examined, and a method of manufacturing thereof. The carrier having immobilized antigens or antibodies includes a carrier having a surface which is formed of a calcium phosphate based compound, and antigens or antibodies each having a portion that is irrelevant to the antigen-antibody reaction, each of the antigens or antibodies being immobilized to the surface of the carrier through the irrelevant portion thereof. The surface of the carrier has a portion in which the antigens or antibodies are not immobilized, and at least a part of the portion of the surface is coated with a protein having low interaction with antigens or antibodies. The antigens or antibodies are stabilized by a stabilizing treatment. The carrier having immobilized antigens or antibodies may be manufactured by the following steps including (1) antigens such as avidin are carried on the surface of the carrier, (2) the surface of carrier is coated with a protein such as casein, (3) antigens or antibodies to which ligands such as biotin are bonded were immobilized to the carrier, and (4) the antigens or antibodies that are immobilized to the carrier are stabilized.